

Amendments to the Claims

Claim 1. (CURRENTLY AMENDED) An on-board, ventilating airflow management system dedicated for use in operative association with the electrical sliding-contact zone in an aircraft rotary electrical generating device, said system, in operative condition, comprising

an air intake (a) spaced from the electrical generating device and from the aircraft engine, (b) independent of the aircraft engine and (c) disposed to intake a flow of air under circumstances with the aircraft engine operating,

elongate fluid-flow conduit structure having (a) an intake end disposed adjacent said air intake for receiving an airflow therefrom, (b) a discharge end including a fluid-flow connector which closes upon the mentioned electrical sliding-contact zone, whereby said discharge end, via said ~~coupler~~ connector, is tightly coupled to said electrical sliding-contact zone for directing thereinto, substantially solely, all airflow, and only from that which is received at the conduit structure's said intake end, and (c) a fluid-flow path extending between and communicating with said intake and discharge ends, and

particulate filter structure operatively disposed in said conduit structure's said fluid-flow path, intermediate said intake and discharge ends, adapted to prevent particle passage through said connector into the operatively associated electrical sliding-contact zone.

Claim 2. (ORIGINAL) The system of claim 1, wherein said conduit structure, upstream in said path from said filter structure, includes a velocity-modifying flow-expansion chamber which reduces airflow velocity.

Claim 3. (ORIGINAL) The system of claim 1, wherein said conduit structure, intermediate it's said intake and discharge ends further includes liquid trap and drain structure.

Claim 4. (ORIGINAL) The system of claim 3, wherein said trap and drain structure is gravity operated.

Claim 5. (ORIGINAL) The system of claim 2, wherein said conduit structure, adjacent the location of said filter structure, includes liquid trap and drain structure.

Claim 6-10: CANCELLED WITHOUT PREJUDICE

Claim 11. (CURRENTLY AMENDED) A system in an aircraft comprising
an electrical generating device,
an electrical sliding-contact zone in said device,
an air intake spaced from said device, and disposed to intake a flow of air under
circumstances with the aircraft engine operating,

fluid-flow conduit structure having (a) an intake end disposed adjacent said air intake for receiving an airflow therefrom, (b) a discharge end including a fluid-flow connector which closes upon the mentioned electrical sliding-contact zone, whereby said discharge end, via said ~~coupler~~ connector , is located adjacent and tightly coupled to said electrical sliding-contact zone for directing thereinto, substantially solely, all airflow, and only that which is received at the conduit structure's said intake end, and (c) a fluid-flow path extending between and communicating with said intake and discharge ends, and

particulate filter structure operatively disposed in said conduit structure's said fluid-flow path intermediate said intake and discharge ends, adapted to prevent particle passage through said connector into said electrical sliding-contact zone.